



Commonwealth of Massachusetts  
Executive Office of Energy & Environmental Affairs

## Department of Environmental Protection

One Winter Street Boston, MA 02108 • 617-292-5500

DEVAL L. PATRICK  
Governor

RICHARD K. SULLIVAN JR.  
Secretary

KENNETH L. KIMMELL  
Commissioner

**FACT SHEET**  
**Complete Recycling Solutions, LLC**  
**1075 Airport Road**  
**Fall River, MA 02723**  
**EPA ID No. MAR000510123**  
**Luma 8000 Fluorescent Lamp Recycling Unit**

**June 2013**

This fact sheet summarizes the request made by Complete Recycling Solutions, L.L.C., (“CRS”) to include an additional fluorescent lamp processing unit into its renewal application. CRS is currently operating under the provisions of a Level III Recycling Permit issued on March 11, 2008. A draft license incorporating the additional unit has been prepared by the Massachusetts Department of Environmental Protection (“MassDEP”) for Complete Recycling Solutions, LLC (CRS), pursuant to M.G.L. c. 21C and 310 CMR 30.000

### I. Purpose of the Permitting Process

Facilities which recycle mercury-bearing products (i.e. Fluorescent lamps, Intact Mercury Devices) must be designed and safely operated to protect the people of Massachusetts from the potential dangers of improperly handled materials. Stringent permitting requirements are intended to ensure that those who accept Class C regulated materials are qualified to do so. Before issuing a Level III Recycling facility permit, pursuant to M.G.L. c. 21C and 310 CMR 30.000, the Department is required to prepare a draft permit. The draft permit sets forth in one document all the applicable requirements that a licensee is required to comply with during the 5-year duration of its facility permit.

### II. Procedures for Reaching a Final Decision

Massachusetts Hazardous Waste Regulation, 310 CMR 30.296(3)(a), requires that the Department provide public notice of any changes to a draft facility permit. Therefore, a sixty (60) day public comment period is being provided on the addition of a fluorescent lamp processing unit. The public comment period for inclusion of the additional unit in the draft permit will begin with publication of the public notice in the Fall River Herald News on June 24, 2013 and will end on August 23, 2013.

Any person interested in commenting on the inclusion of the additional lamp processing unit into the draft permit must do so within this comment period. All comments must be in writing and submitted to:

Massachusetts Department of Environmental Protection  
Bureau of Waste Prevention  
Business Compliance Division  
One Winter Street, 7th Floor  
Boston, Massachusetts 02108  
Attention: Al Nardone

In making a final decision, the Department will consider all written comments regarding the additional lamp processing unit received during the comment period, and the requirements of the Massachusetts Hazardous Waste Regulations, 310 CMR 30.000. The Department will then make a final determination to issue or deny CRS's request to include the additional lamp processing unit in its Level III Recycling renewal permit.

The Department shall give notice of its final permit decision to CRS and each person who has submitted written comments or has requested notice of the final permit decision. A final permit decision becomes effective 21 days after the date of the notice of the decision. The final permit decision will be postponed if a request for an adjudicatory hearing before the Department is made within the 21-day period.

### III. Facility Description and History

#### A. Site Description

The facility is currently operating at 1075 Airport Road in Fall River, MA. The facility is located on a 3.38-acre parcel of land in the Fall River Industrial Park, which abuts Graham Road to the east, Airport Road to the North, Sarmento's Imports business to the West and a wooded lot to the South.

#### B. General Description

CRS is a privately owned company. CRS recycles fluorescent and high intensity discharge (HID) light bulbs and intact mercury devices and debris containing small amounts of mercury. CRS operates both automated disassembly and manual operated equipment to de-manufacture mercury bearing lamps and devices. CRS recovers the component by-products for recycling, for example, fluorescent lamps, aluminum, glass, and calcium phosphor powder, containing mercury, resulting in 100% recycling.

#### C. Recyclable Materials That May Be Accepted

The following types of wastes are authorized in the CRS recycling permit for recycling:

1. Mercury Contaminated Waste, (fluorescent lamps, thermometers, etc.)

## 2. Elemental Mercury Waste

### IV. Summary on the Additional Lamp Processing Unit

The additional LUMA 8000 can process 8,000 linear feet of straight fluorescent lamps, (2000 four foot lamps, or 1000 eight foot lamps) per hour on a daily basis.

The LUMA 8000 automatic machine yields clean sub-components, aluminum end caps, and soda lime glass. The recovered fluorescent powder is collected within the unit and then placed within a retort unit resulting in the recovery of elemental mercury.

The glass from the unit is sent to secondary markets (asphalt batching, insulation, etc.) and the aluminum end caps are sent to scrap dealers for reprocessing. The recovered mercury from the retort machine is sent out for further processing.

The LUMA 8000 unit is completely contained and all its components and filtration equipment are within the container. The unit is approximately 40 feet long by 8 feet wide by 10 feet in height.

The unit is sealed so that the volume of air evacuated will result in slightly negative pressure. The air is run through a series of carbon filters.

The unit is a fully automatic operating system. Starting and stopping of the process is automated, and sensors are equipped to notify the status of its operation. The plant is designed with inherent safety systems to prevent mercury from being released into the environment.

### V. Proposed Renewal Permit Organization

The draft permit is organized into four sections:

Section I., Hazardous Waste Recycling Permit and Certification

Section II., General Permit Conditions

Section III., Specific Permit Conditions

List of Attachments,    Facility Operation Plan,  
                                  Container Management Plan,  
                                  Waste Analysis Plan,  
                                  Security Plan,  
                                  Inspection Plan and Procedures,  
                                  Personnel Training Plan,  
                                  Contingency Plan & Emergency Procedures,  
                                  Closure Plan,  
                                  Emergency Prevention and Response,  
                                  Additional Figures, and  
                                  Additional Information.

A description of the additional unit is provided in Attachment 1, Facility Operation Plan, Appendix 3, Equipment Descriptions. The location of the facility and the new lamp processor is shown in

Attachment 10, Additional Figures.

Any party with questions regarding the additional unit or wishing to review the present permit or the proposed draft permit can contact Al Nardone at MassDEP at (617) 292-5580.

#### VI. Location of Available Information

A copy of the Fact Sheet will be available for viewing on line at MassDEP's web site at <http://www.mass.gov/eea/agencies/massdep/news/comment/> and at the following locations:

Department of Environmental Protection  
Business Compliance Division  
Bureau of Waste Prevention  
One Winter Street, 7th Floor  
Boston, MA 02108  
AL Nardone  
(617) 292-5580

Department of Environmental Protection  
Southeast Regional Office  
20 Riverside Drive  
Lakeville, MA 02347  
Gregg Hunt  
(508) 946-2700

Fall River Board of Health  
Fall River City Hall  
One Government Center  
Fall River, MA 02723  
(508) 324-2410

Fall River Public Library  
104 North Main Street  
Fall River, MA 02720  
(508) 324-2700

#### VII. Appeal Procedures

Pursuant to Massachusetts General Law (MGL) Chapter 21C, Section 11, any person aggrieved by a determination by the Department to issue or deny a license, and has legal standing to do so, may request an adjudicatory hearing before the Department. For the purposes of 310 CMR 30.000, an "aggrieved person" shall be deemed to be any person who is or may become a "party" or "intervener" pursuant to 310 CMR 1.00. A person aggrieved by a final decision in any adjudicatory proceeding may obtain judicial review thereof pursuant to the provisions of M.G.L. c. 30A. This license is an action of the Department. If you are aggrieved by this action, you may request an adjudicatory hearing. A request for a hearing must be made in writing and postmarked within twenty-one (21) days of the Notice of Final License Decision.

### CONTENTS OF HEARING REQUEST

Under 310 CMR 1.01(6)(b), the request must state clearly and concisely the facts which are the grounds for the request, and the relief sought. Additionally, the request must state why the permit is not consistent with applicable laws and regulations.

### FILING FEE AND ADDRESS

The hearing request along with a valid check payable to the Commonwealth of Massachusetts in the amount of \$100 must be mailed to:

Commonwealth of Massachusetts  
Department of Environmental Protection  
P.O. Box 4062  
Boston, MA. 02211

The request will be dismissed if the filing fee is not paid, unless the appellant is exempt or granted a waiver as described below.

#### EXCEPTIONS

The filing fee is not required if the appellant is a city or town (or municipal agency), county, district of the Commonwealth of Massachusetts, or municipal housing authority.

#### WAIVER

The Department may waive the adjudicatory hearing-filing fee for a person who shows that paying the fee will create an undue financial hardship. A person seeking a waiver must file, together with the hearing request as provided above, an affidavit setting forth the facts believed to support the claim of undue financial hardship.

This Fact Sheet was prepared by the MA DEP Business Compliance Division, Bureau of Waste Prevention. For additional information contact Al Nardone at (617) 292-5580.